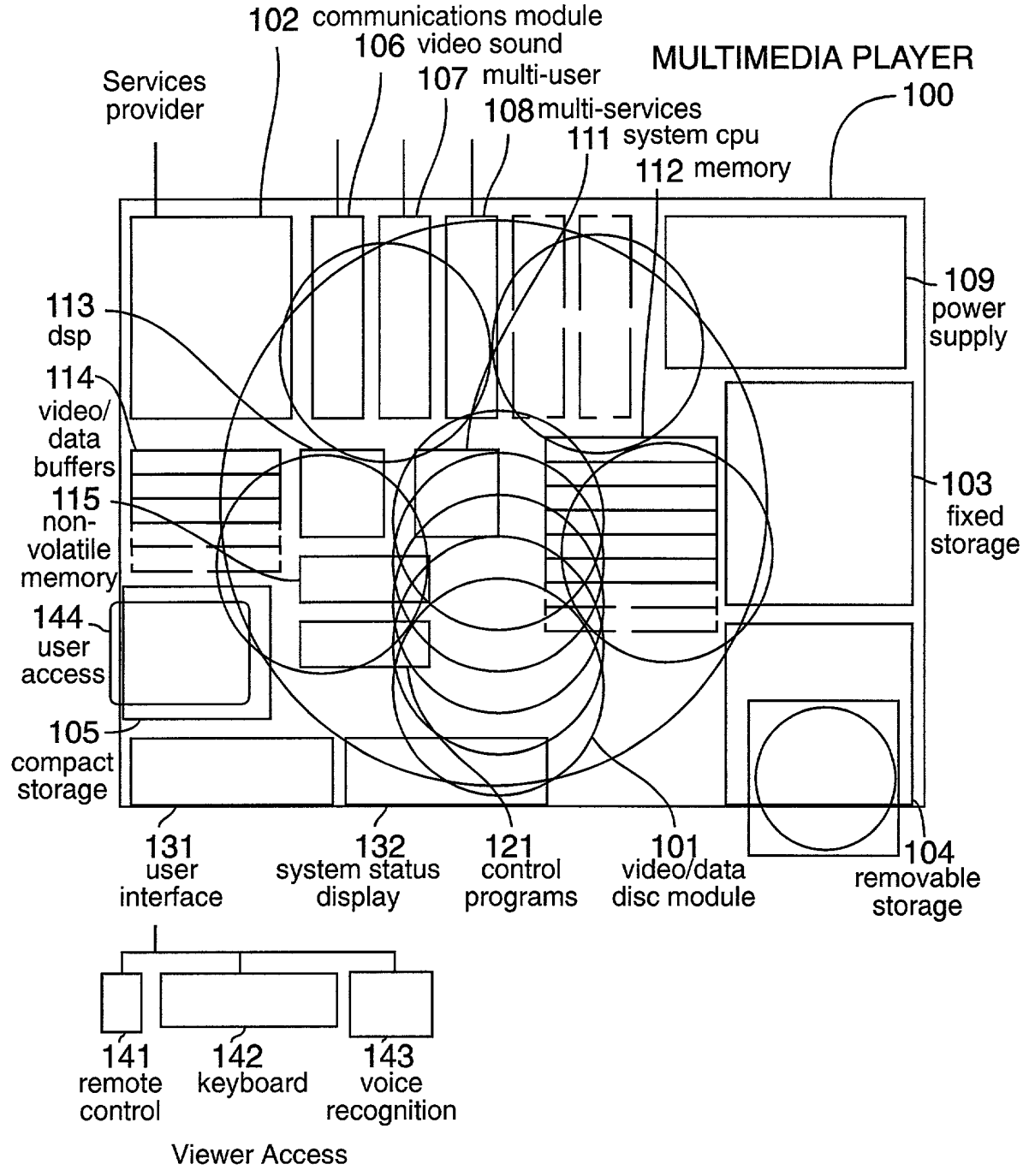

MULTIMEDIA PLAYER
100
Services provider
102 communications module
106 video sound
107 multi-user
108 multi-services
111 system cpu
112 memory
113 dsp
114 video/ data buffers
115 non-volatile memory
144 user access
105 compact storage
109 power supply
103 fixed storage
104 removable storage
131 user interface
132 system status display
121 control programs
101 video/data disc module
141 remote control
142 keyboard
143 voice recognition
Viewer Access

FIG. 1

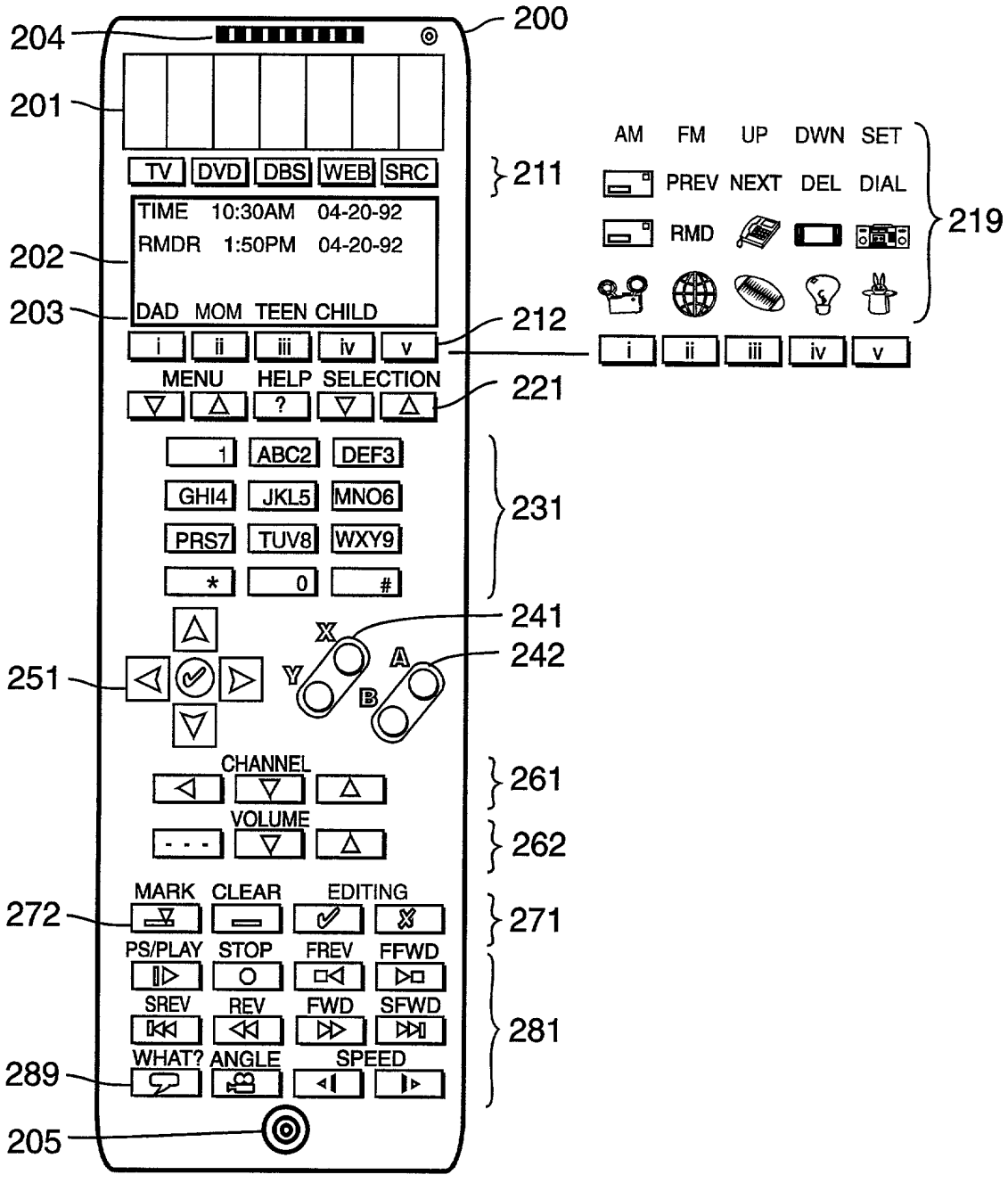

200
204
201
202
203
TV DVD DBS WEB SRC
211
TIME 10:30AM 04-20-92
RMDR 1:50PM 04-20-92
DAD MOM TEEN CHILD
i ii iii iv v
212
MENU HELP SELECTION
221
1 ABC2 DEF3
GHI4 JKL5 MNO6
PRS7 TUV8 WXY9
* 0 #
231
241
242
251
X
Y
A
B
CHANNEL
261
VOLUME
262
MARK CLEAR EDITING
272
271
PS/PLAY STOP FREV FFWD
SREV REV FWD SFWD
281
WHAT? ANGLE SPEED
289
205
AM FM UP DWN SET
PREV NEXT DEL DIAL
RMD
219
i ii iii iv v

FIG. 2

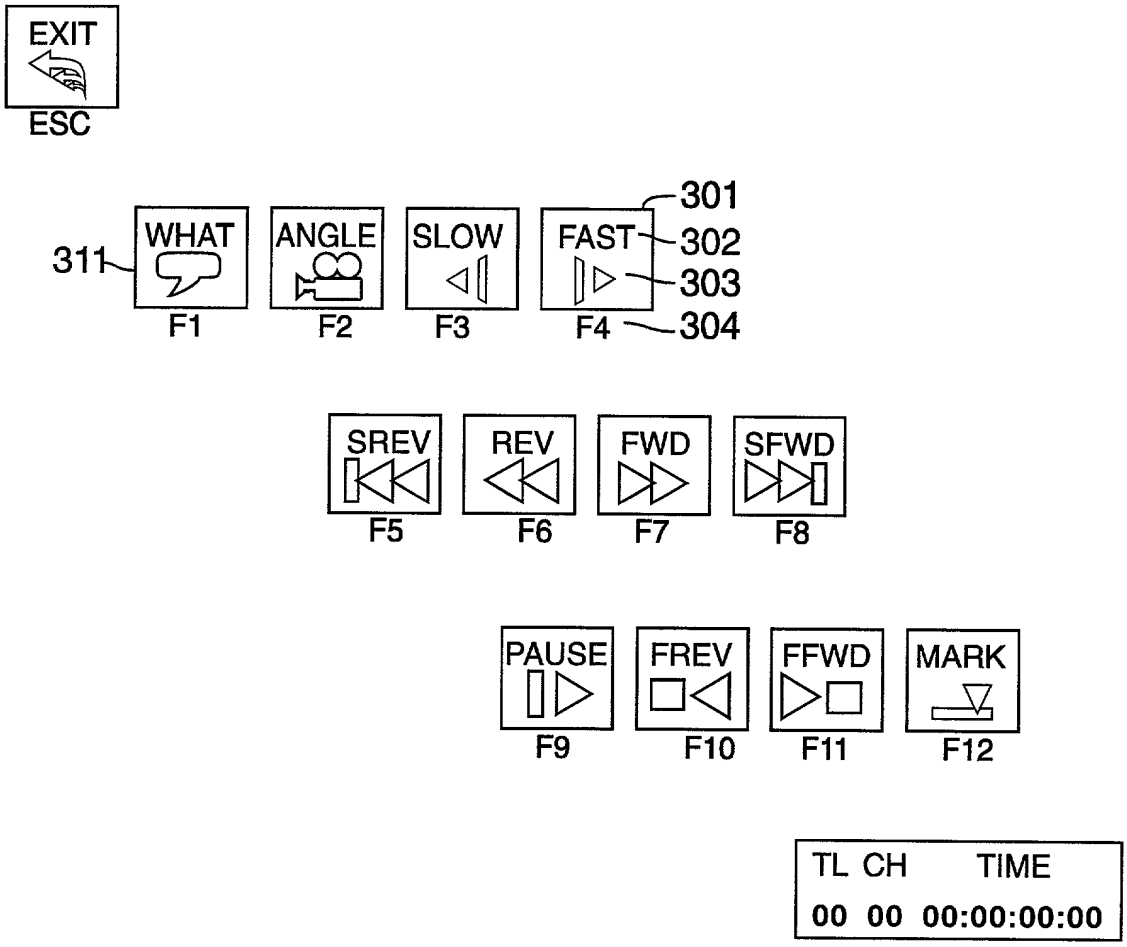


FIG. 3

Sep-08-04 09:45a 7604-743-2001

20010743 09/764,707

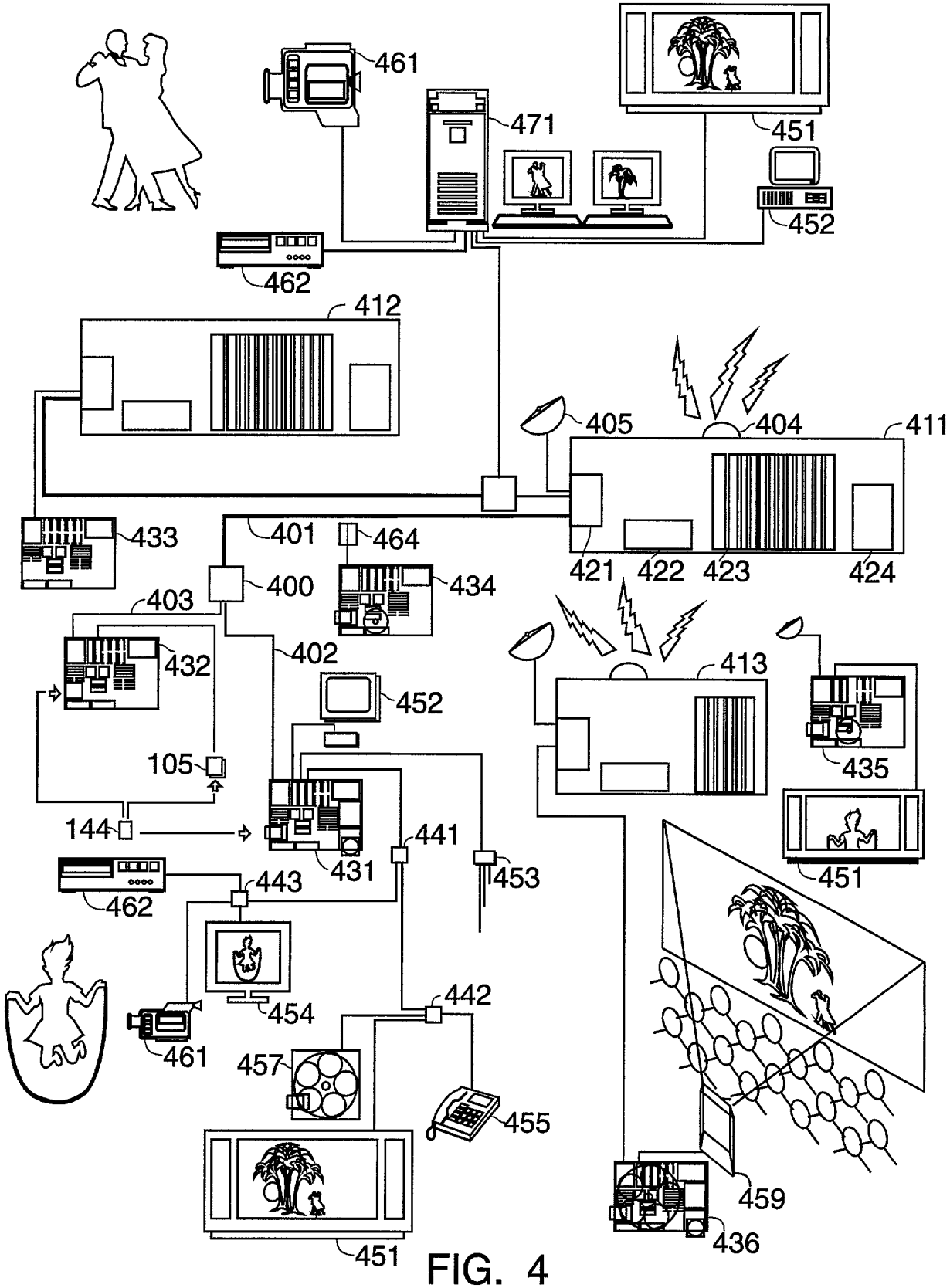


FIG. 4

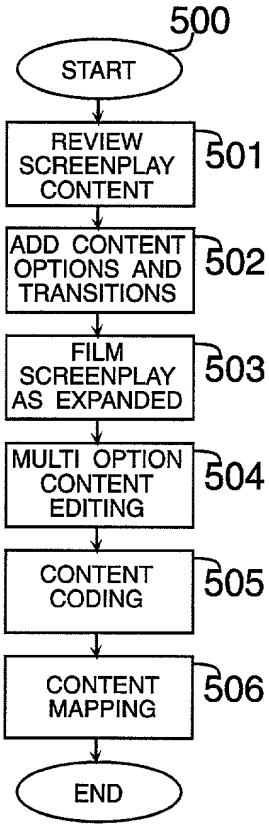

500
START
REVIEW SCREENPLAY CONTENT
501
ADD CONTENT OPTIONS AND TRANSITIONS
502
FILM SCREENPLAY AS EXPANDED
503
MULTI OPTION CONTENT EDITING
504
CONTENT CODING
505
CONTENT MAPPING
506
END

FIG. 5A

Segment Category Descriptive Structure

Code	Description	None	Implied	Explicit	Graphic
110	Profanity	1	2	3	4
130	Violence	1	2	3	4
135	Bloodshed	1	2	3	4
150	Monsters	1	2	3	4
170	Nudity	1	2	3	4
175	Sex	1	2	3	4

510 512 511 519

FIG. 5B

Segment Element Descriptive Structure

Code	Description	None	Minimal	Expanded	Extensive
210	Character	1	2	3	4
220	Location	1	2	3	4
230	Time	1	2	3	4
340	Detail	1	2	3	4
420	Expertise	1	2	3	4

520 521 522 523

FIG. 5C

Segment Inclusion Descriptive Structure

Code	Description	Highlight	Summary	Condensed	Detailed
610	Inclusion	1	2	3	4

530 531

FIG. 5D

Segment Generalized Descriptive Structure

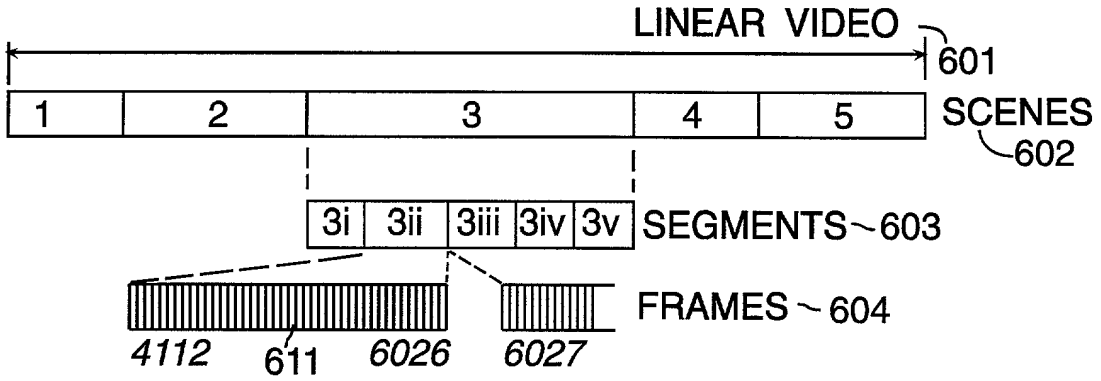
G	PG	PG-13	R	NC-17

Symbols MPAA Trademark

540 541

FIG. 5E

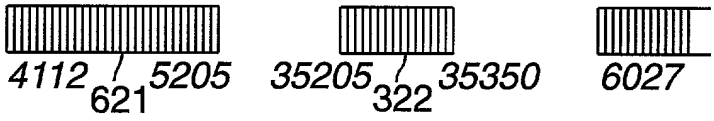
Apple v. Corephotonics
IPR2023-00754



Code	Description	None	Implied	Explicit	Graphic
135	Bloodshed			3	

619

FIG. 6A



Code	Description	None	Implied	Explicit	Graphic
135	Bloodshed	1			

629

FIG. 6B

Code	Description	None	Implied	Explicit	Graphic
135	Bloodshed				4

639

FIG. 6C

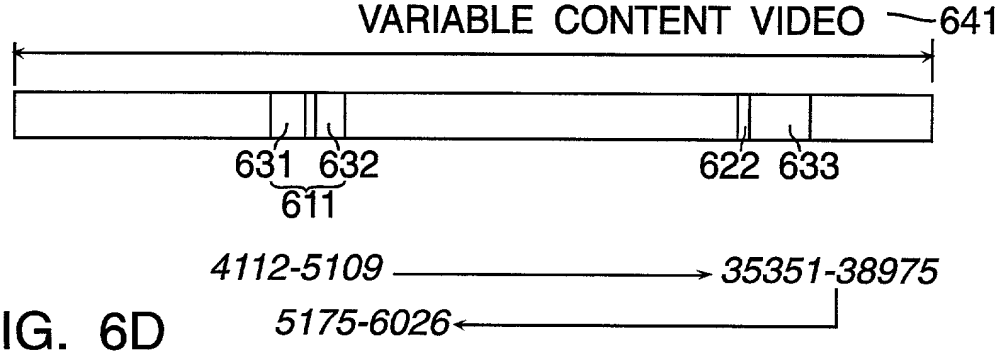


FIG. 6D

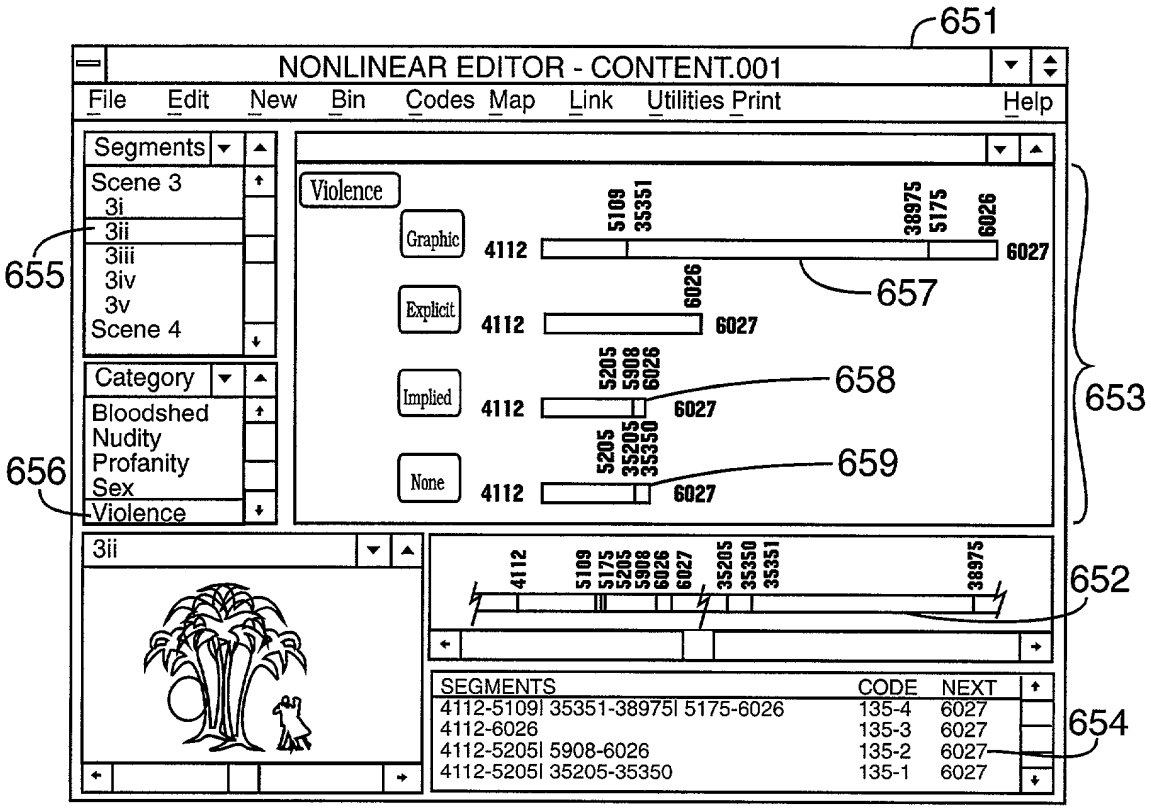

651
NONLINEAR EDITOR - CONTENT.001
File Edit New Bin Codes Map Link Utilities Print Help
Segments
Scene 3
3i
3ii
3iii
3iv
3v
Scene 4
655
Category
Bloodshed
Nudity
Profanity
Sex
Violence
656
Violence
Graphic
Explicit
Implied
None
4112
6027
657
658
659
653
3ii
652
SEGMENTS CODE NEXT
4112-5109| 35351-38975| 5175-6026 135-4 6027
4112-6026 135-3 6027
4112-5205| 5908-6026 135-2 6027
4112-5205| 35205-35350 135-1 6027
654

FIG. 6E

20070430-BETA-2007

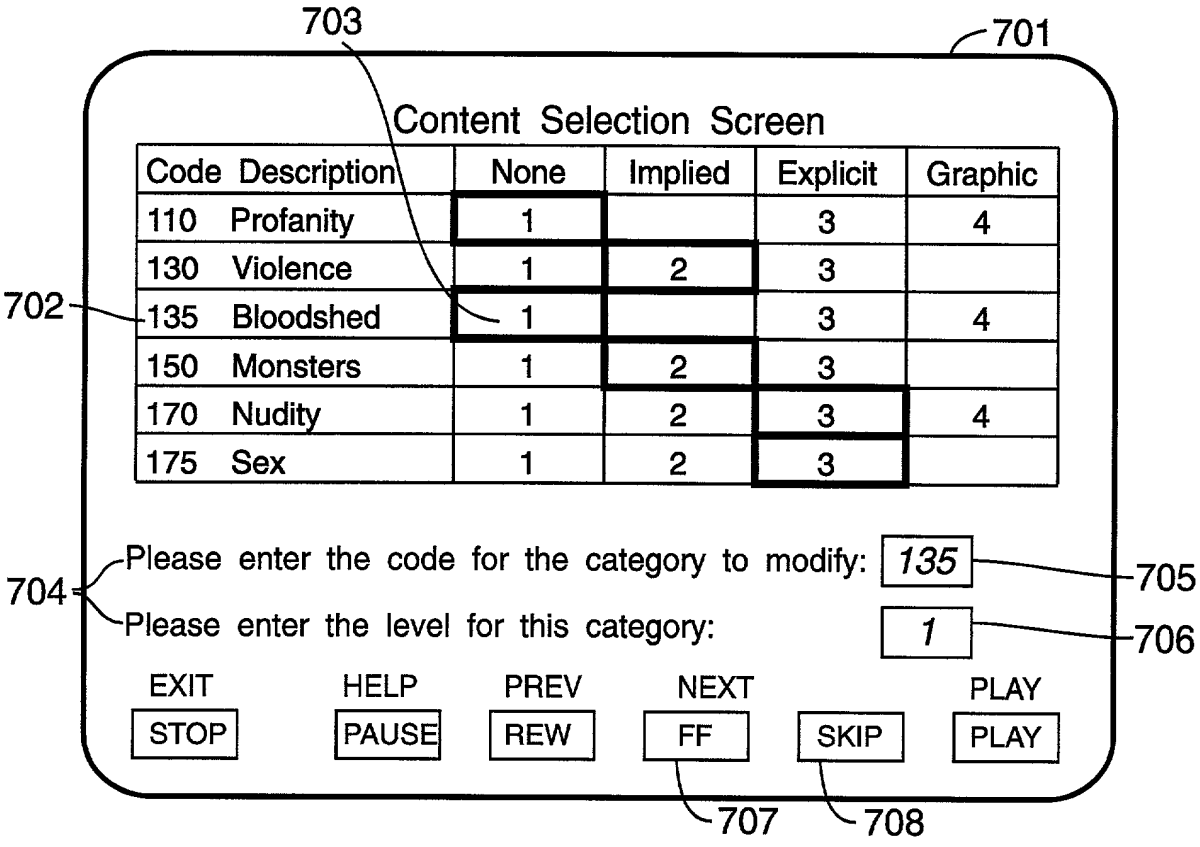


FIG. 7A

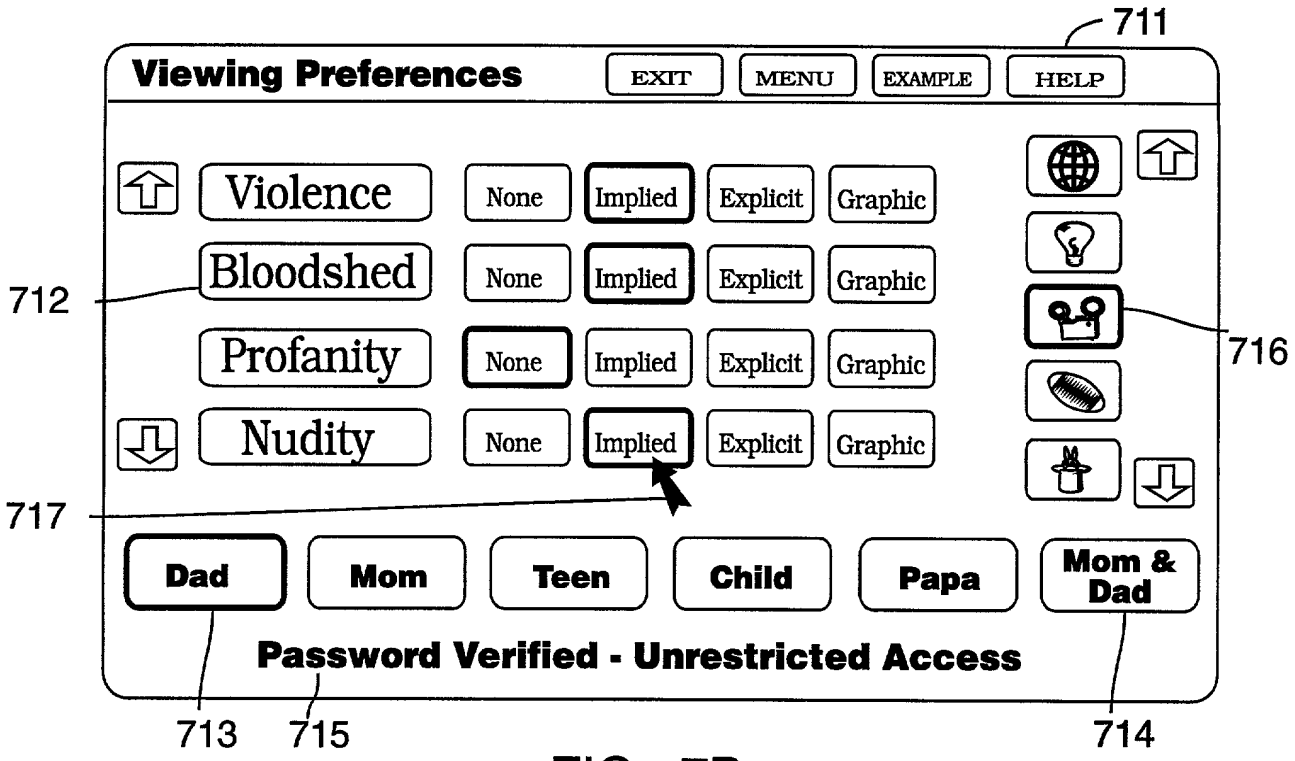

711
Viewing Preferences
EXIT
MENU
EXAMPLE
HELP
Violence
Bloodshed
Profanity
Nudity
None
Implied
Explicit
Graphic
712
716
717
Dad
Mom
Teen
Child
Papa
Mom & Dad
Password Verified - Unrestricted Access
713
715
714

FIG. 7B

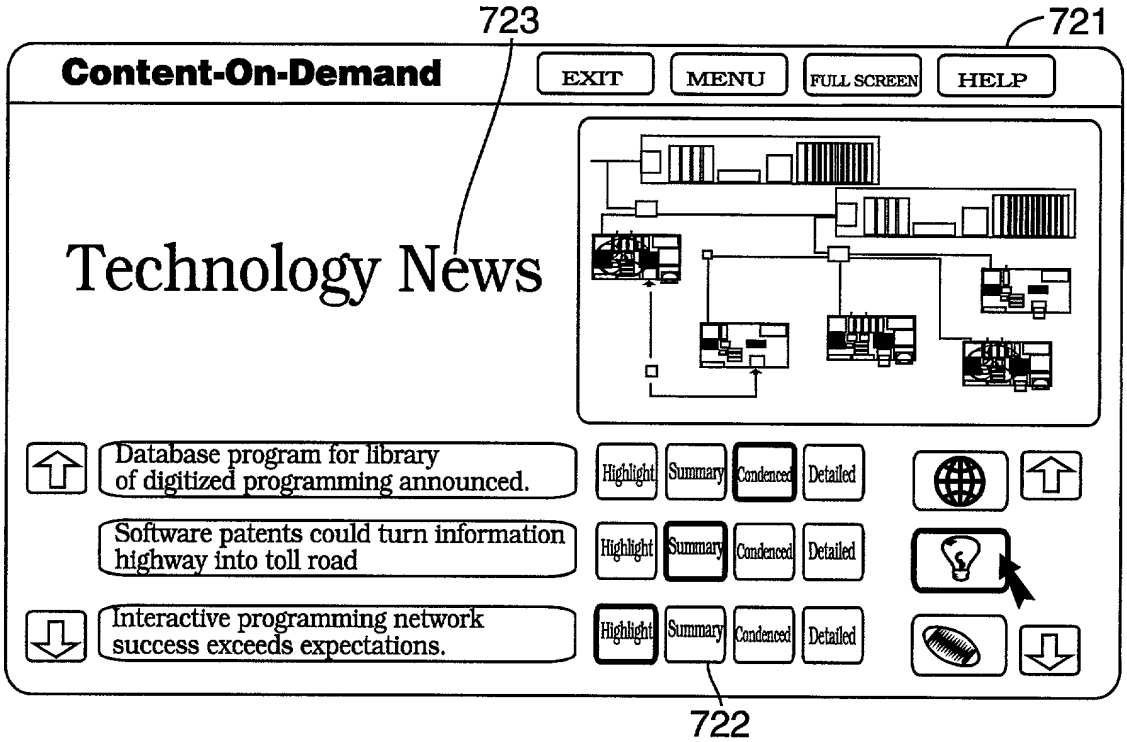

723
721
Content-On-Demand
EXIT
MENU
FULL SCREEN
HELP
Technology News
Database program for library of digitized programming announced.
Software patents could turn information highway into toll road
Interactive programming network success exceeds expectations.
Highlight
Summary
Condenced
Detailed
722

FIG. 7C

Document 9 of 48

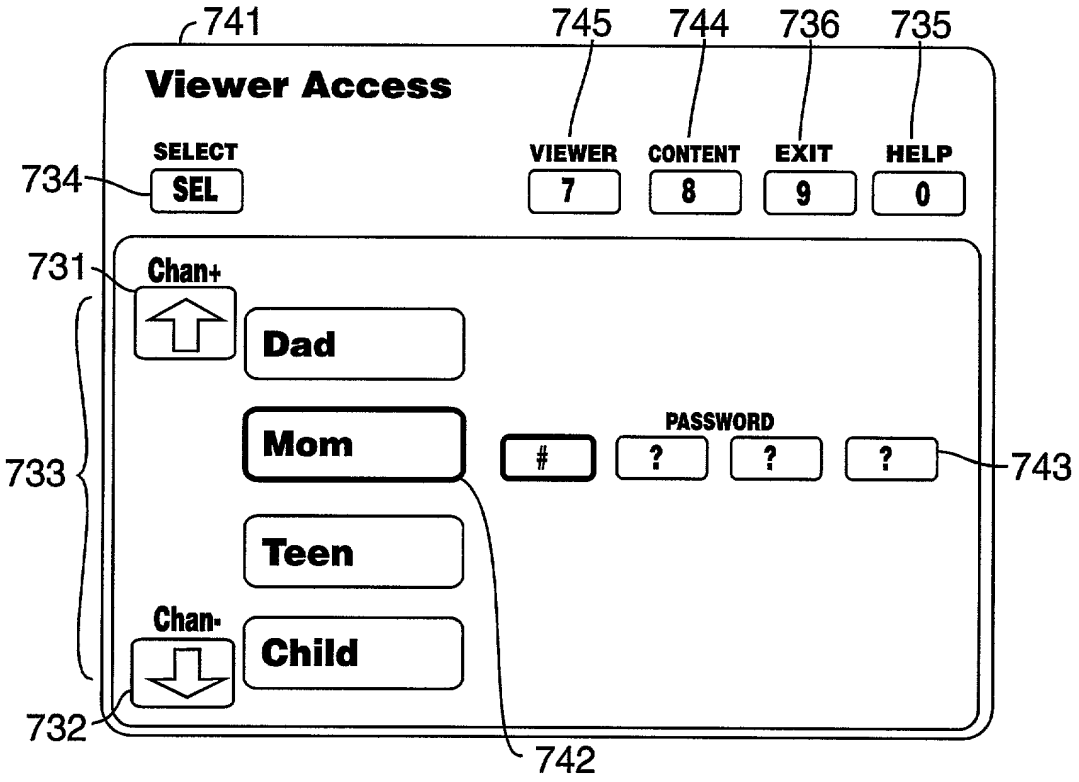


FIG. 7D

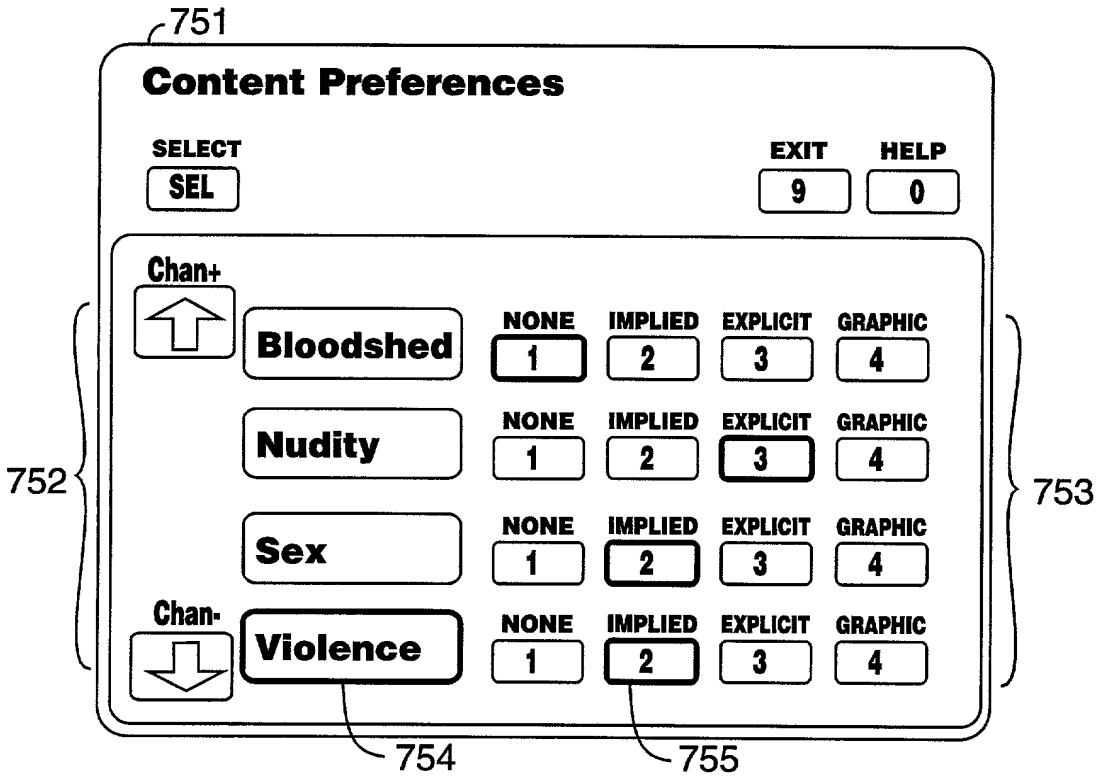


FIG. 7E

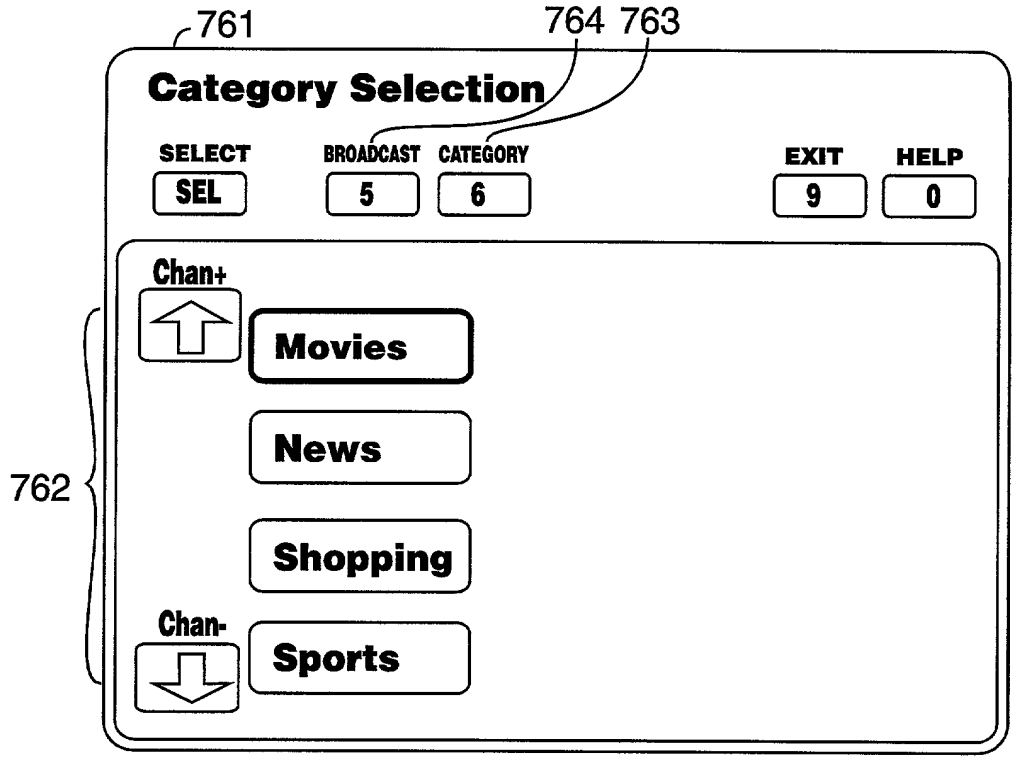

761
764
763
Category Selection
SELECT
SEL
BROADCAST
5
CATEGORY
6
EXIT
9
HELP
0
Chan+
Movies
News
Shopping
Chan-
Sports
762

FIG. 7F

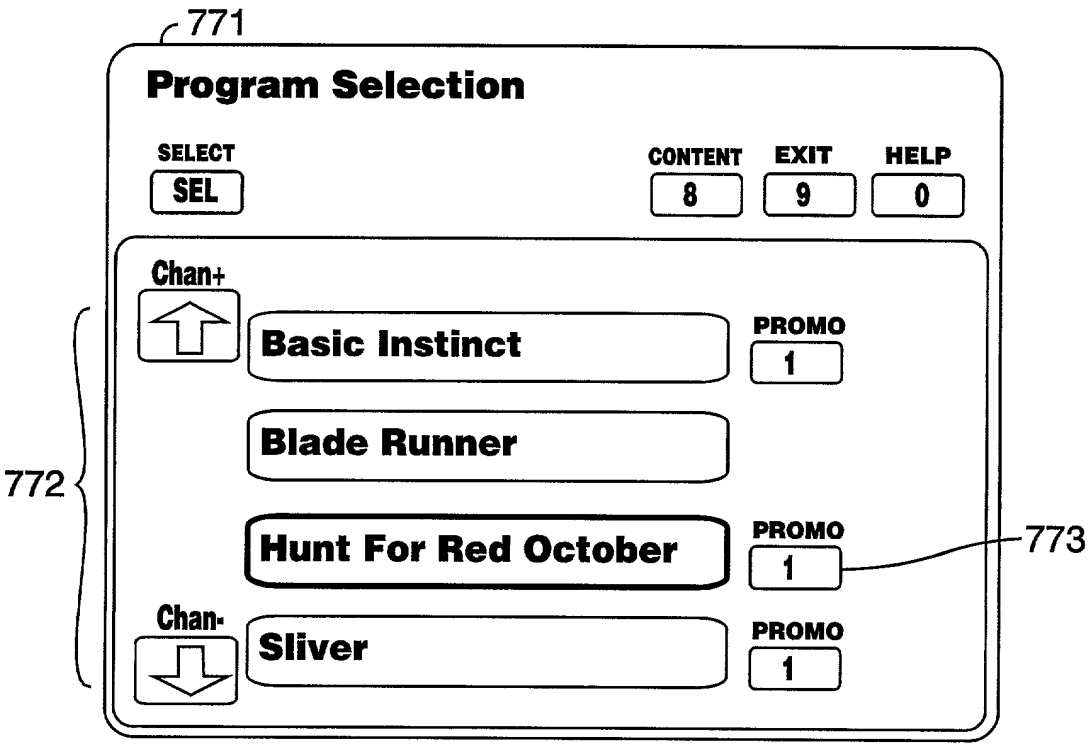

771
Program Selection
SELECT
SEL
CONTENT
8
EXIT
9
HELP
0
Chan+
Basic Instinct
PROMO
1
Blade Runner
Hunt For Red October
PROMO
1
773
Chan-
Sliver
PROMO
1
772

FIG. 7G

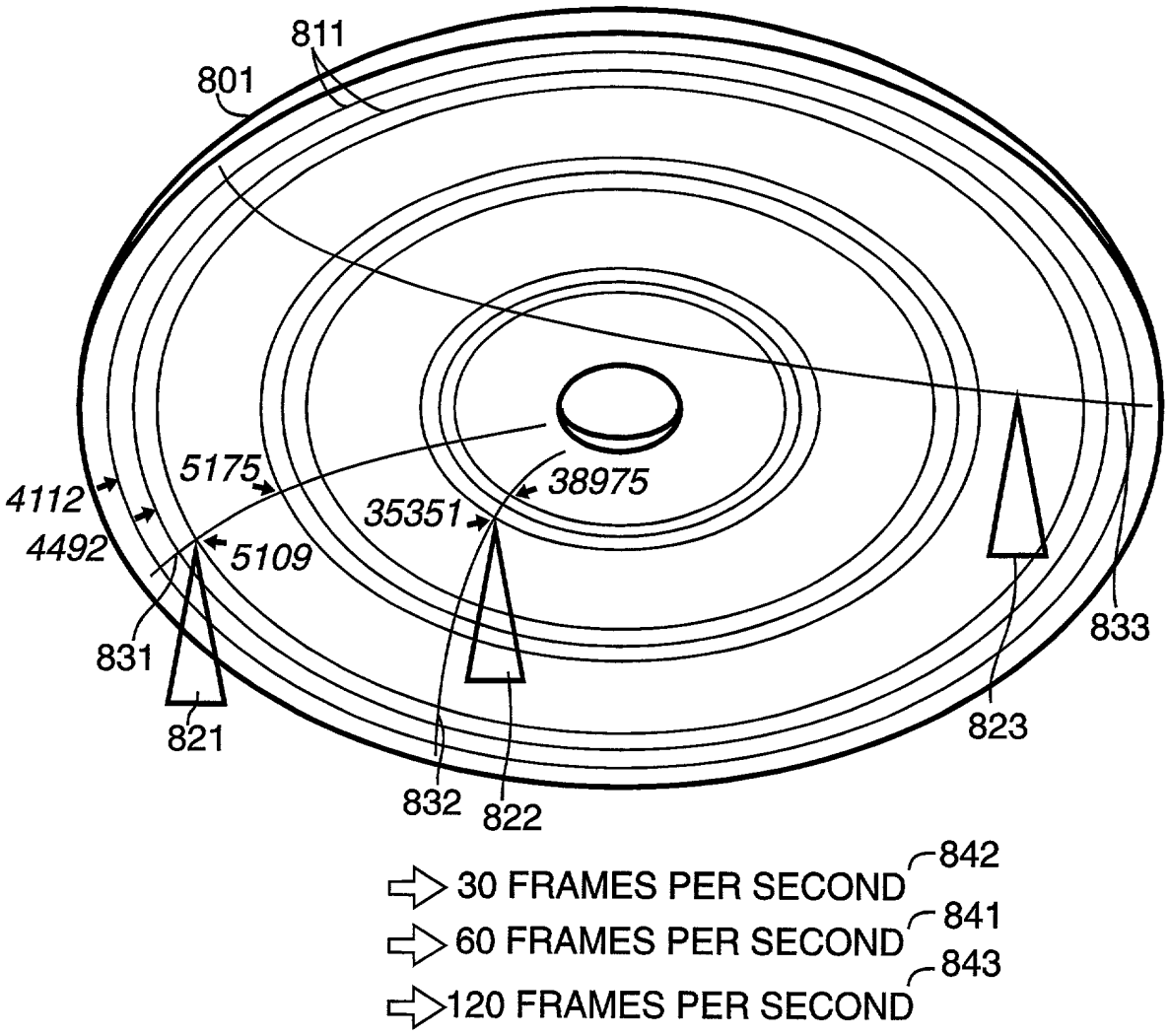

811
801
5175
4112
4492
5109
35351
38975
831
821
832
822
833
823
842
30 FRAMES PER SECOND
841
60 FRAMES PER SECOND
843
120 FRAMES PER SECOND

FIG. 8A

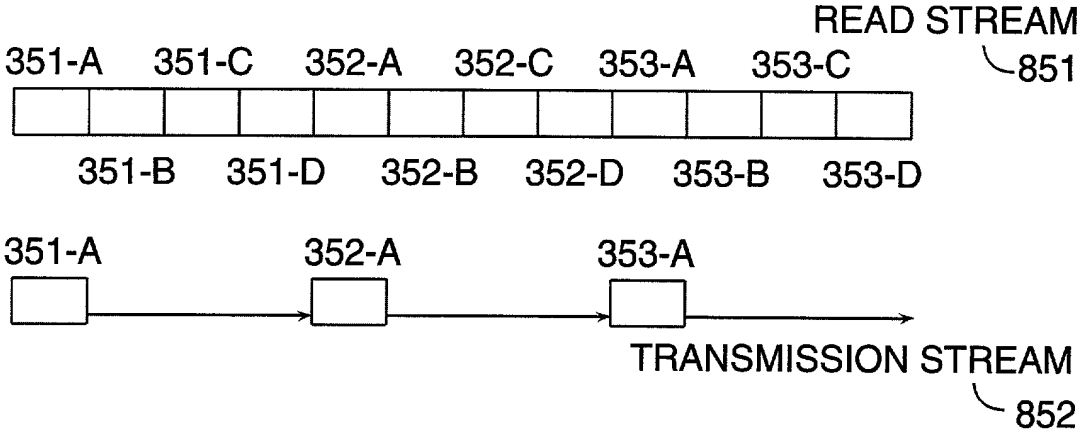

READ STREAM
851
351-A
351-C
352-A
352-C
353-A
353-C
351-B
351-D
352-B
352-D
353-B
353-D
351-A
352-A
353-A
TRANSMISSION STREAM
852

FIG. 8B

Exhibit 1009, pg 13

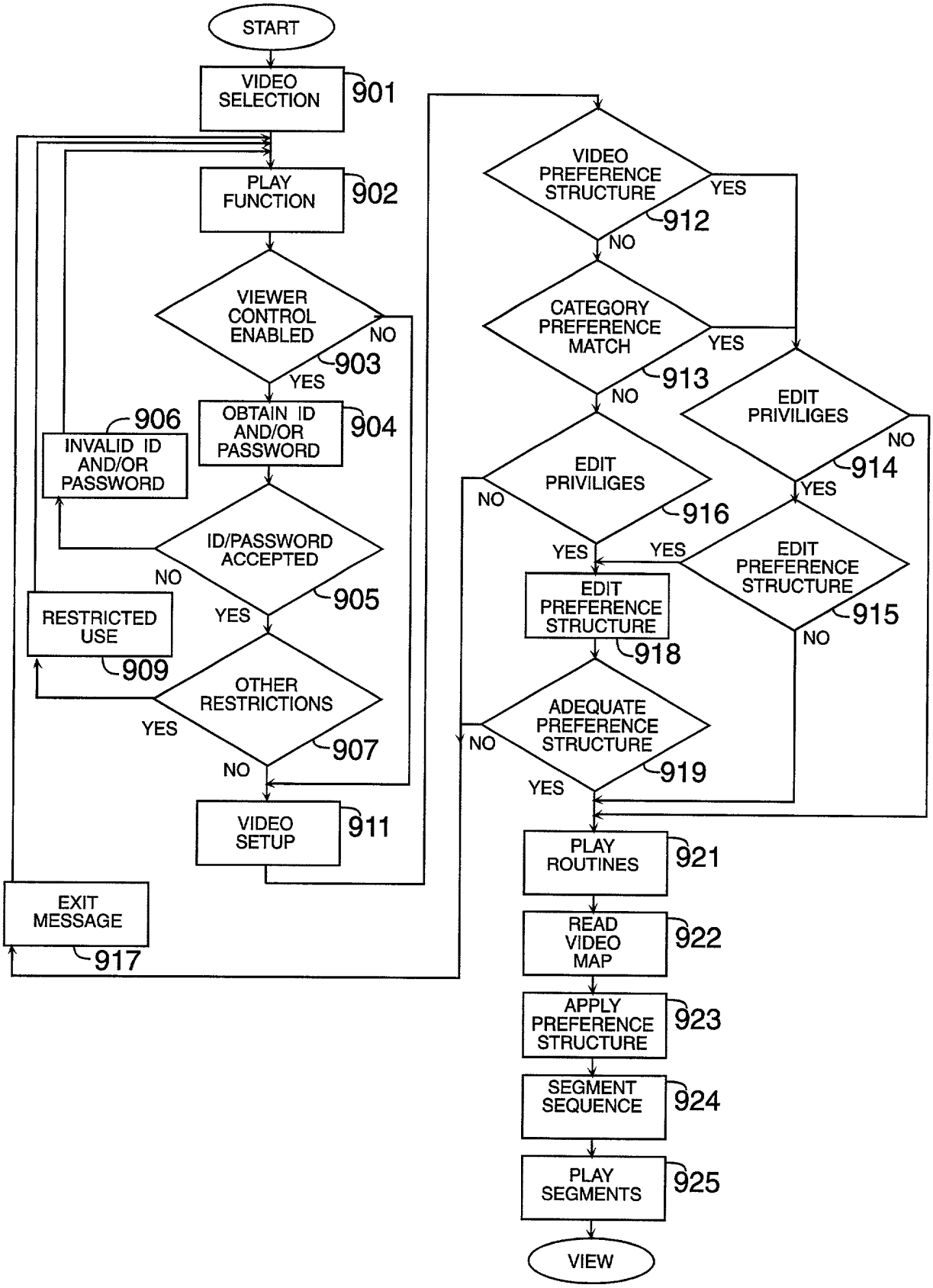


FIG. 9A

Sony Ex. 1019, p. 1019 of 1054

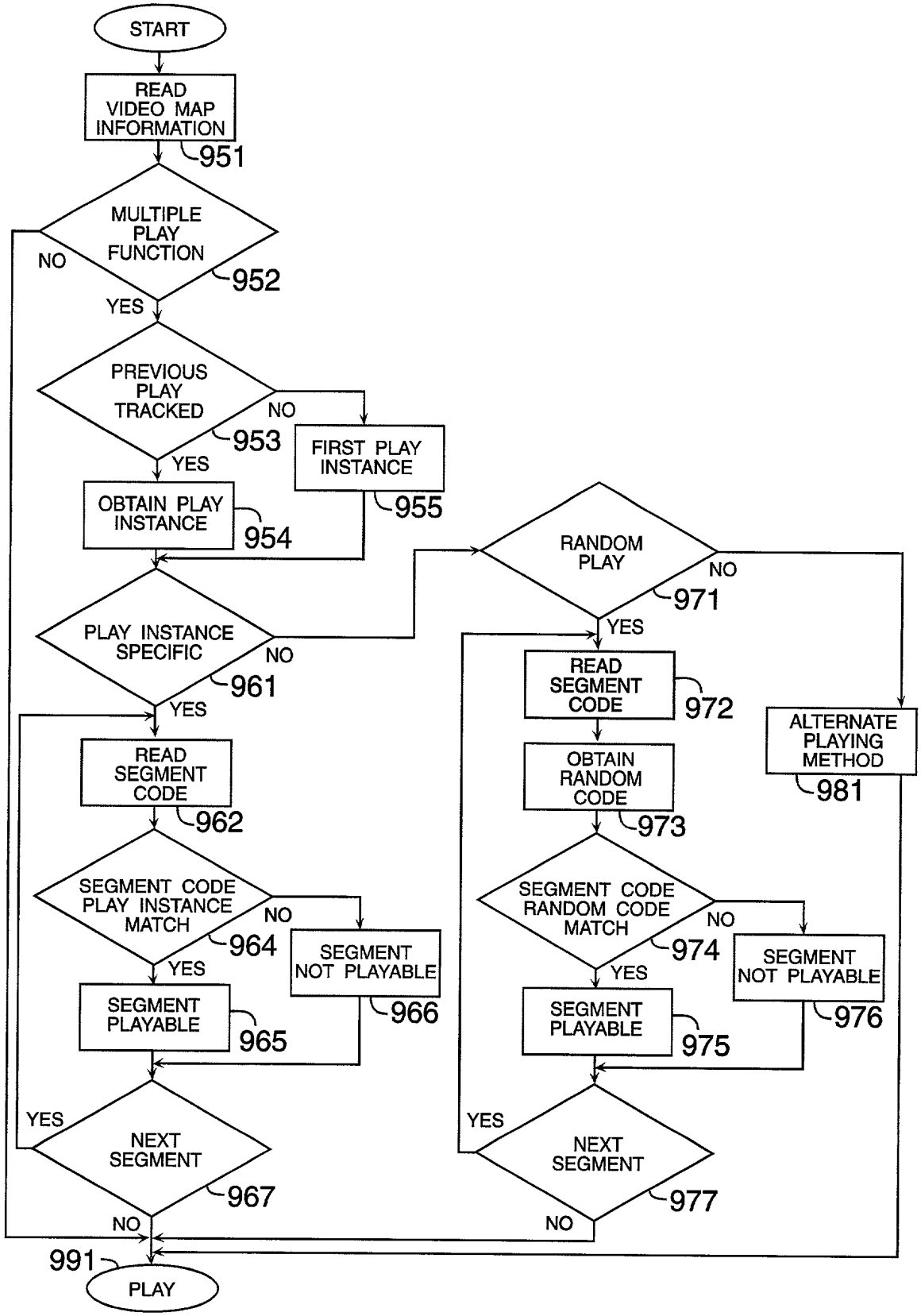


FIG. 9B

Sony Ex. 1013, p. 14 of 204

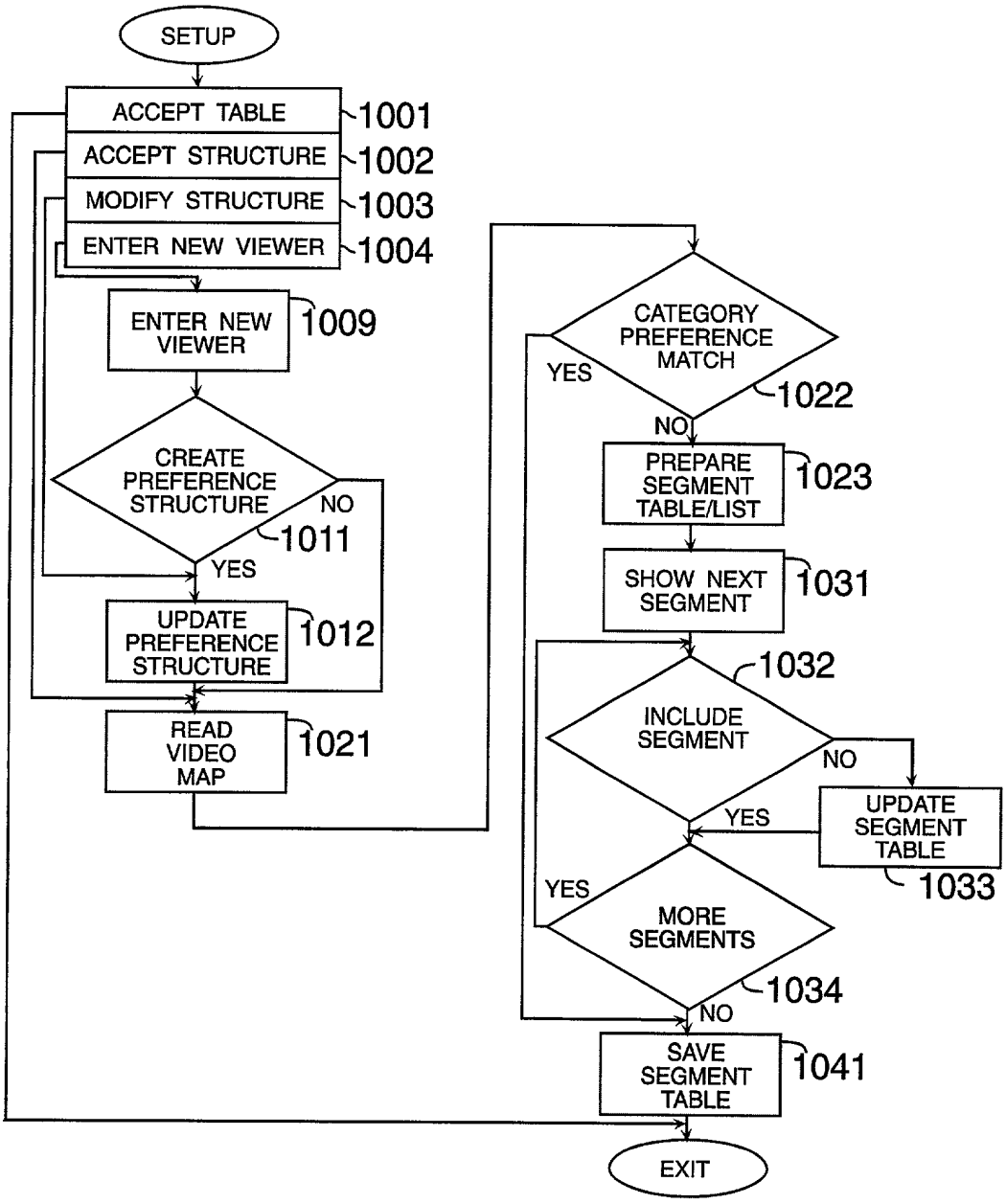


FIG. 10

Apr. 26, 2005 Sheet 9 of 9

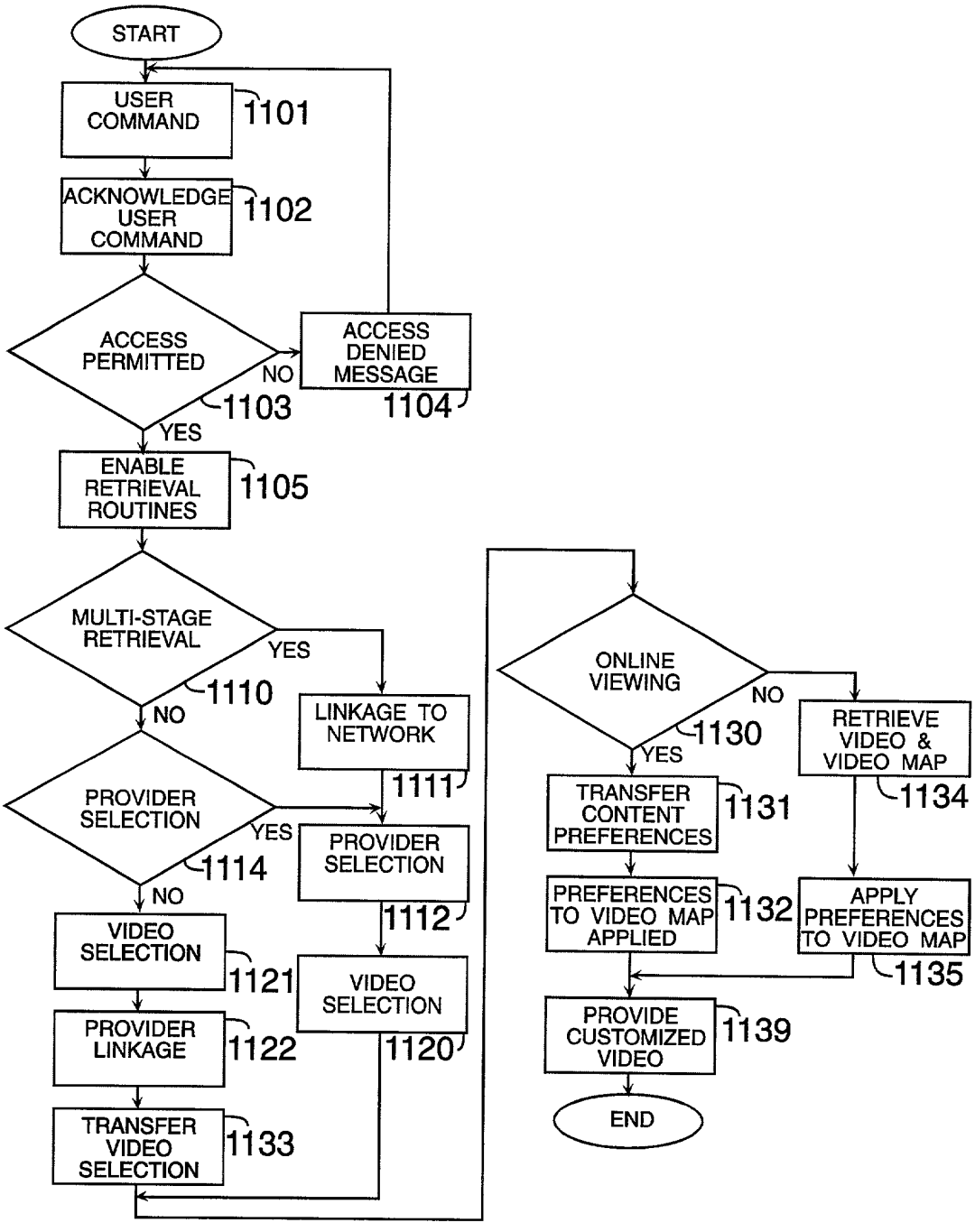


FIG. 11

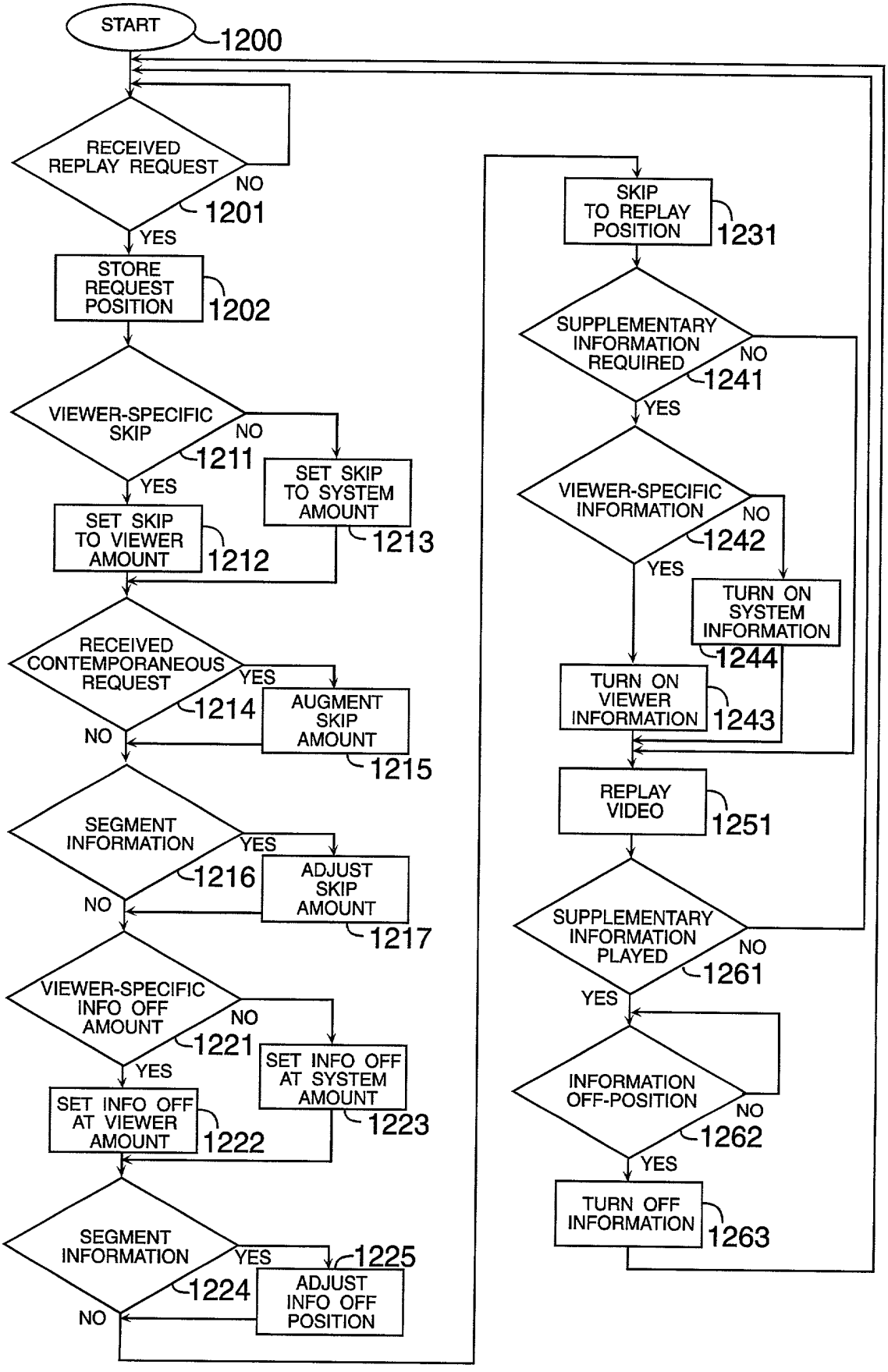

START
1200
RECEIVED REPLAY REQUEST
NO
1201
YES
STORE REQUEST POSITION
1202
VIEWER-SPECIFIC SKIP
NO
1211
YES
SET SKIP TO VIEWER AMOUNT
1212
SET SKIP TO SYSTEM AMOUNT
1213
RECEIVED CONTEMPORANEOUS REQUEST
YES
1214
NO
AUGMENT SKIP AMOUNT
1215
SEGMENT INFORMATION
YES
1216
NO
ADJUST SKIP AMOUNT
1217
VIEWER-SPECIFIC INFO OFF AMOUNT
NO
1221
YES
SET INFO OFF AT VIEWER AMOUNT
1222
SET INFO OFF AT SYSTEM AMOUNT
1223
SEGMENT INFORMATION
YES
1224
NO
1225
ADJUST INFO OFF POSITION
SKIP TO REPLAY POSITION
1231
SUPPLEMENTARY INFORMATION REQUIRED
NO
1241
YES
VIEWER-SPECIFIC INFORMATION
NO
1242
YES
TURN ON SYSTEM INFORMATION
1244
TURN ON VIEWER INFORMATION
1243
REPLAY VIDEO
1251
SUPPLEMENTARY INFORMATION PLAYED
NO
1261
YES
INFORMATION OFF-POSITION
NO
1262
YES
TURN OFF INFORMATION
1263

FIG. 12

adobe-stock-2007

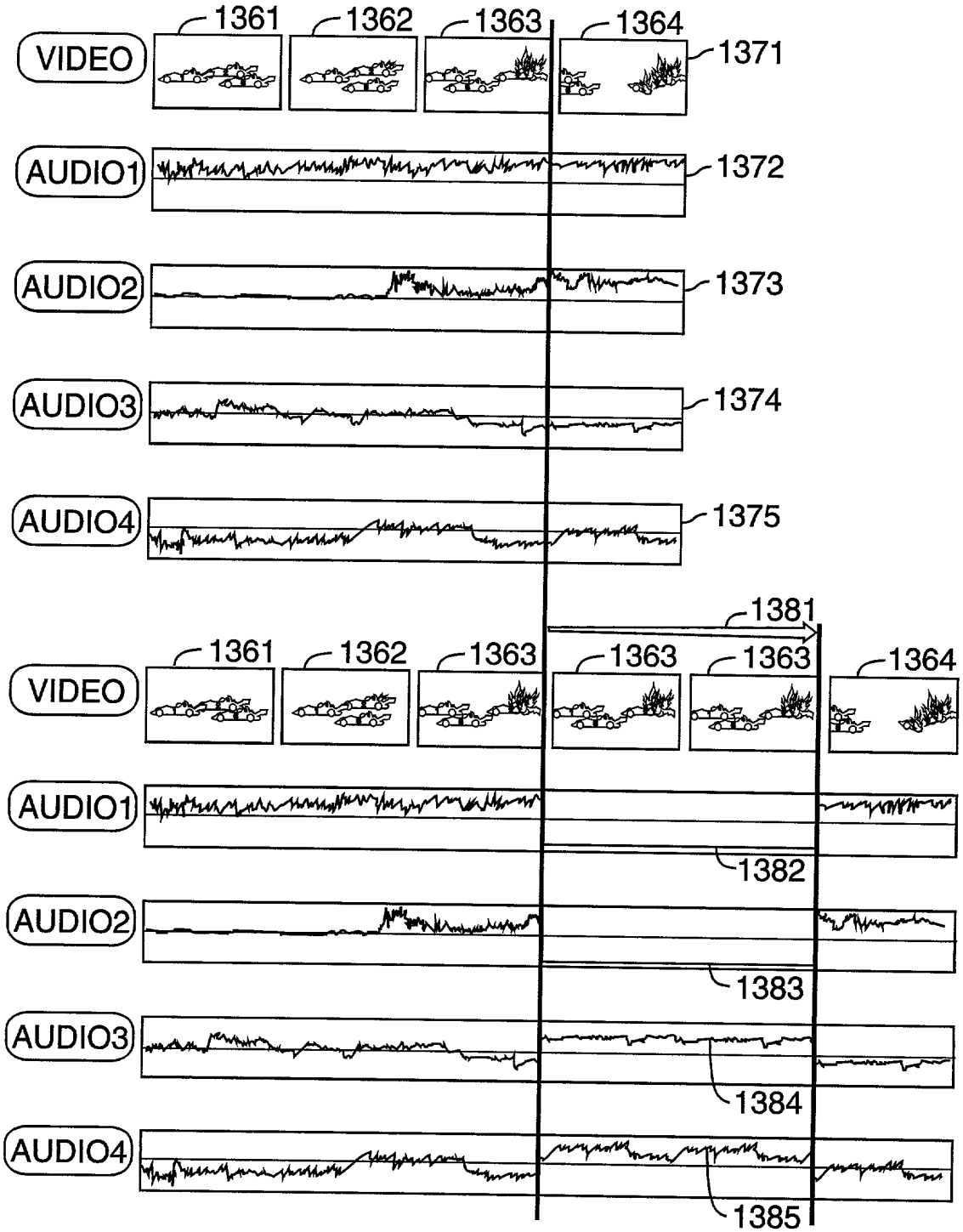


FIG. 13

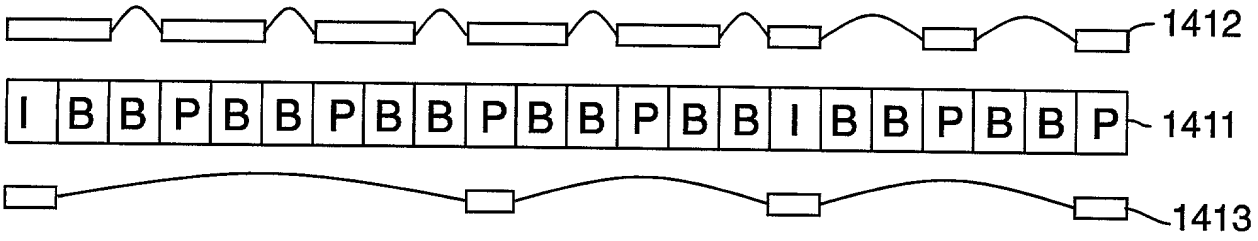


FIG. 14A

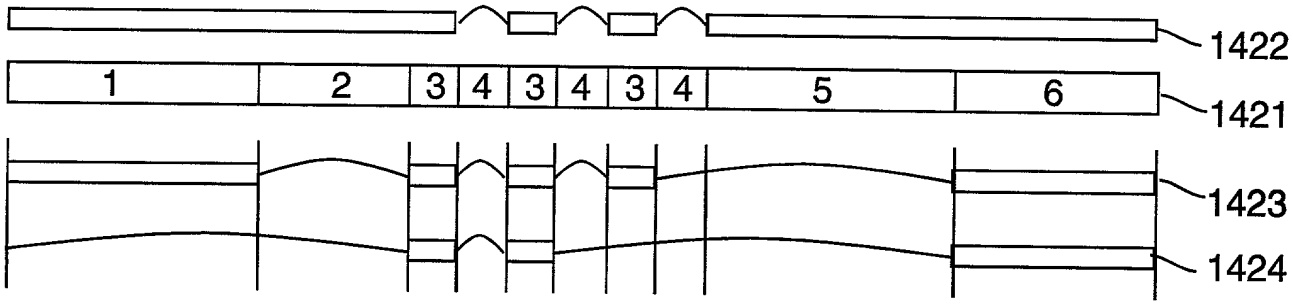


FIG. 14B

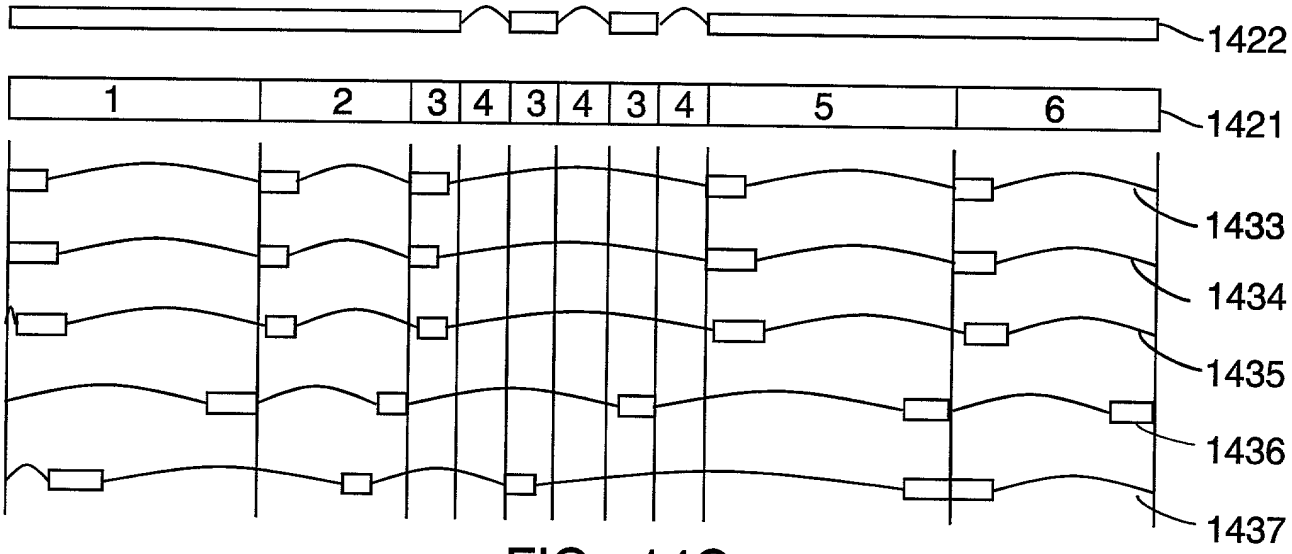


FIG. 14C

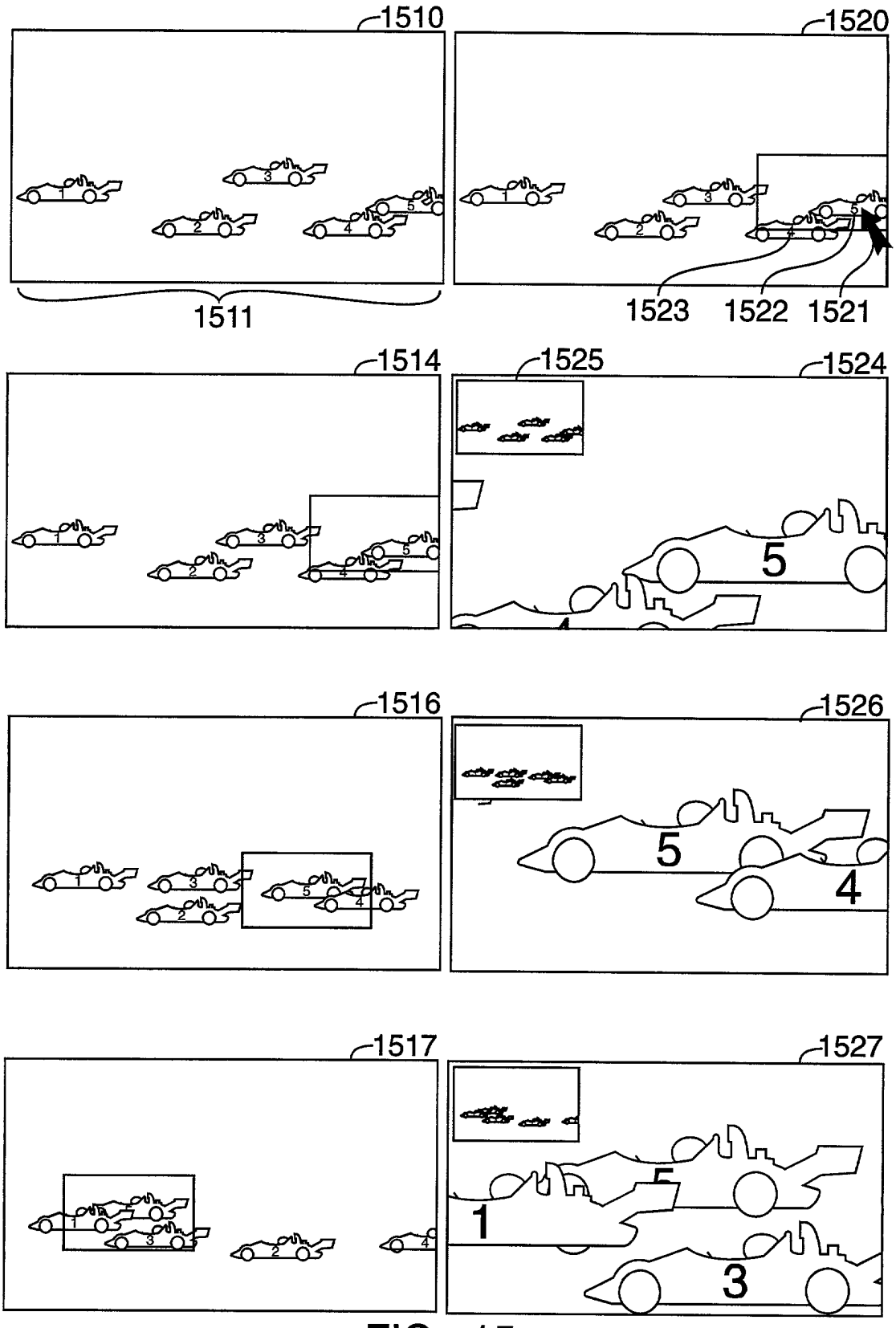

1510
1520
1511
1523
1522
1521
1514
1525
1524
1516
1526
1517
1527

FIG. 15

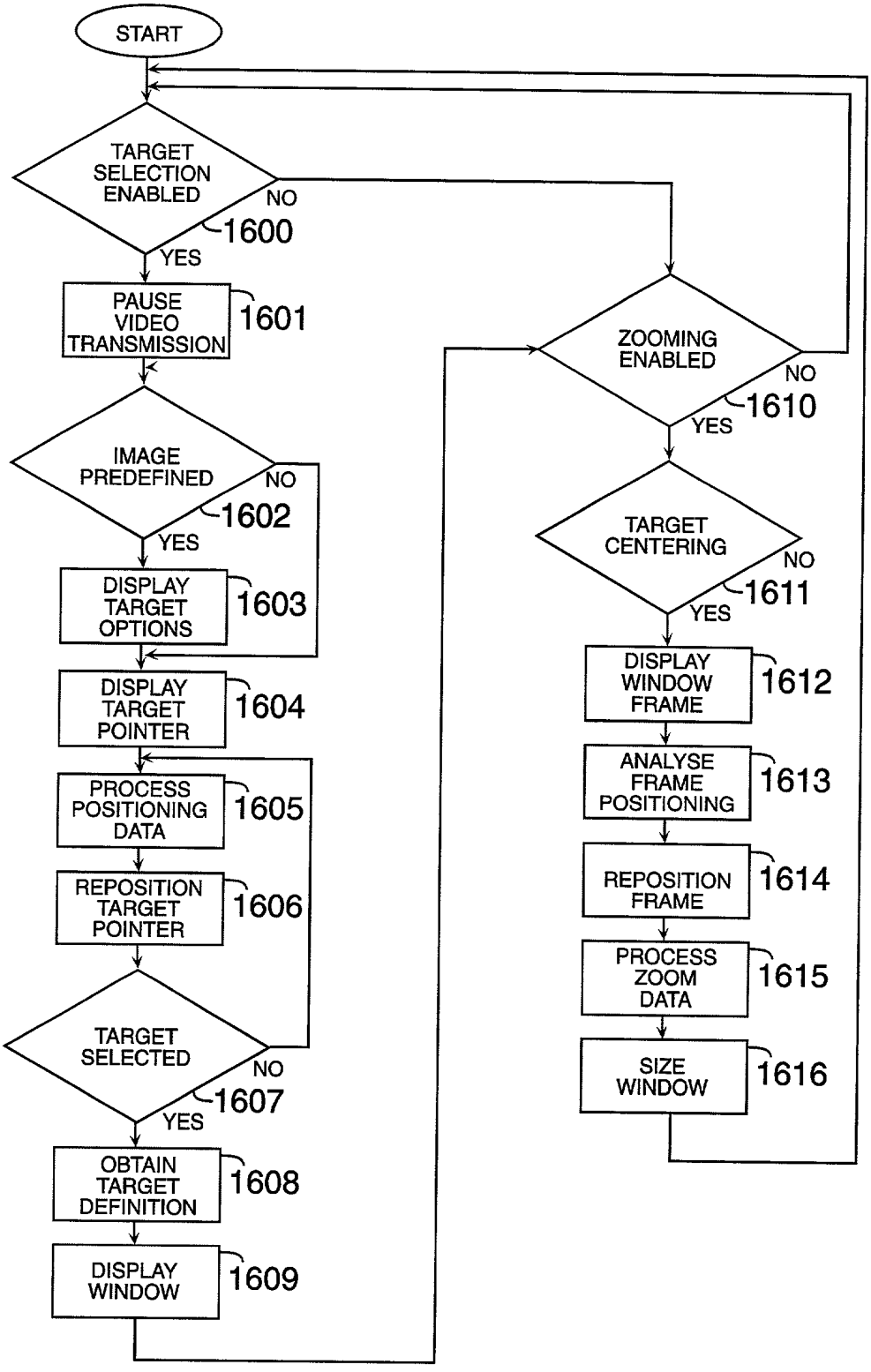

START
TARGET SELECTION ENABLED
NO
1600
YES
PAUSE VIDEO TRANSMISSION
1601
IMAGE PREDEFINED
NO
1602
YES
DISPLAY TARGET OPTIONS
1603
DISPLAY TARGET POINTER
1604
PROCESS POSITIONING DATA
1605
REPOSITION TARGET POINTER
1606
TARGET SELECTED
NO
1607
YES
OBTAIN TARGET DEFINITION
1608
DISPLAY WINDOW
1609
ZOOMING ENABLED
NO
1610
YES
TARGET CENTERING
NO
1611
YES
DISPLAY WINDOW FRAME
1612
ANALYSE FRAME POSITIONING
1613
REPOSITION FRAME
1614
PROCESS ZOOM DATA
1615
SIZE WINDOW
1616

FIG. 16

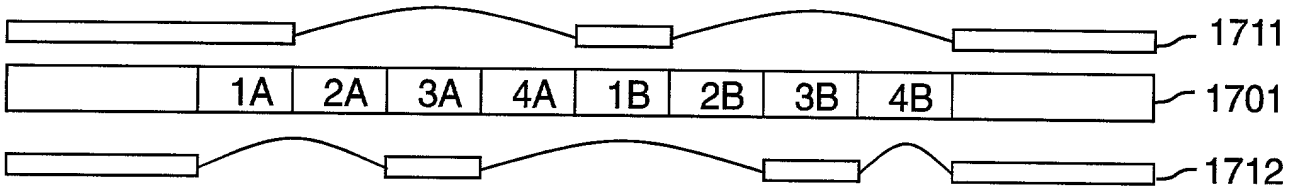


FIG. 17A

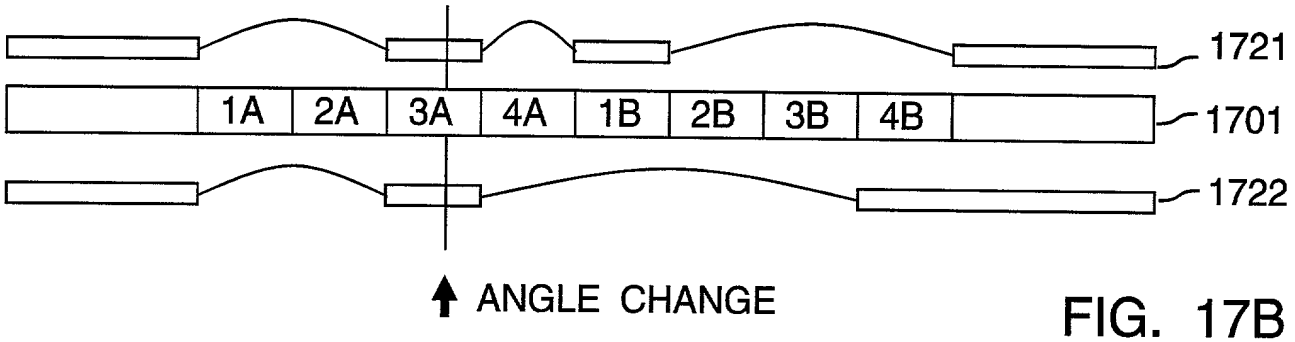


FIG. 17B

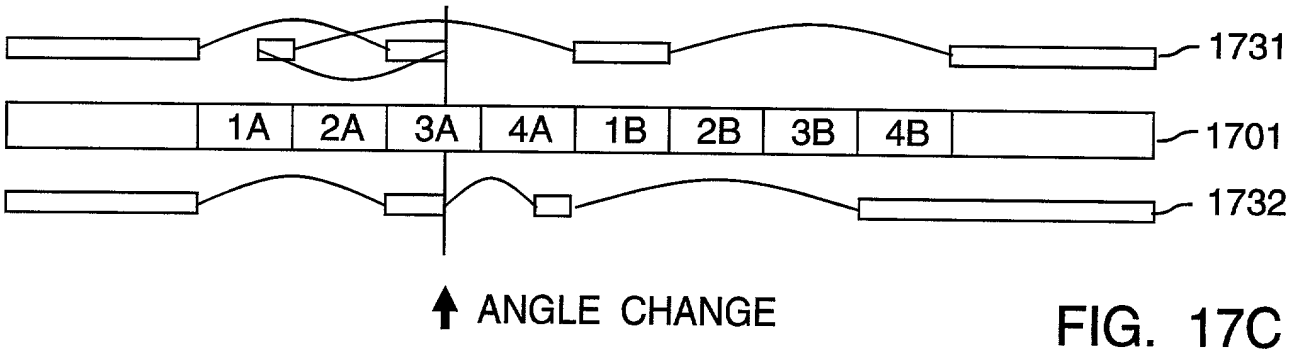


FIG. 17C

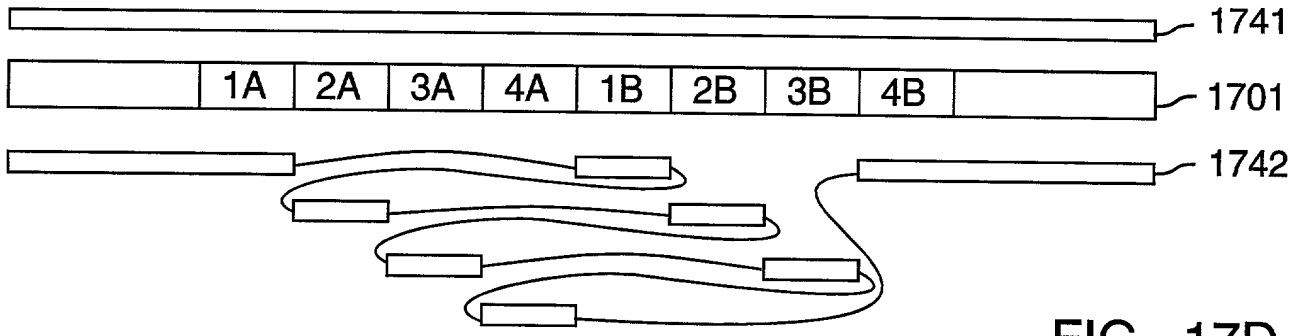


FIG. 17D

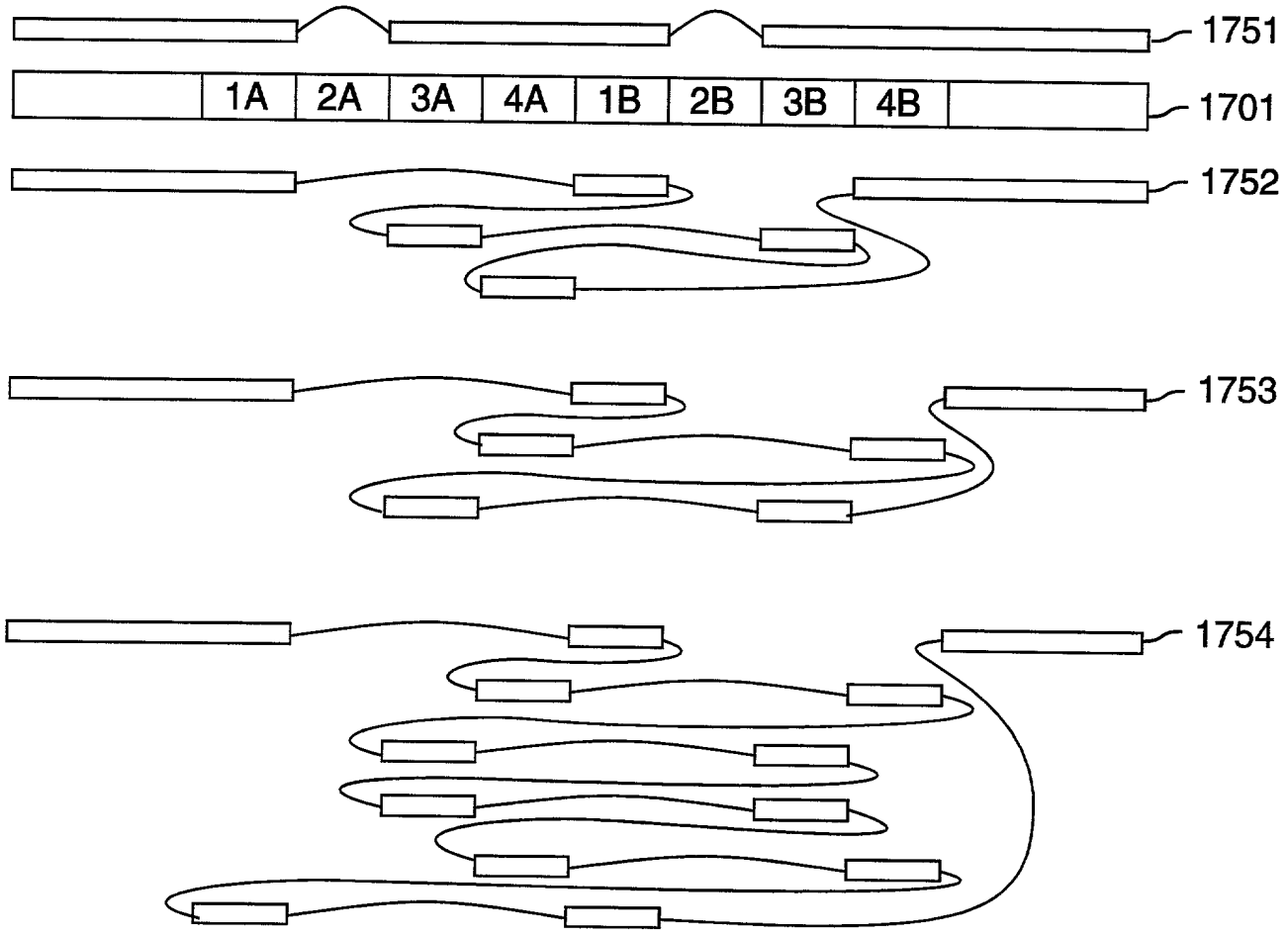


FIG. 17E

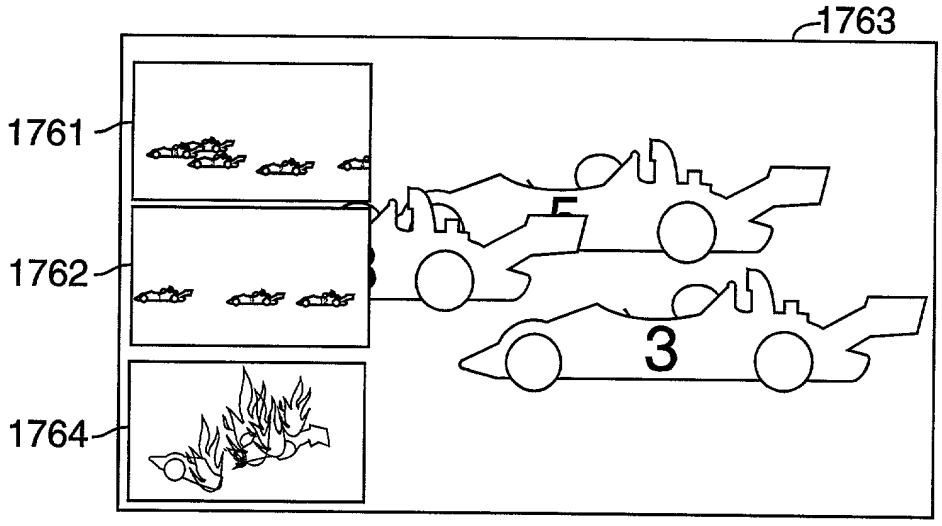


FIG. 17F

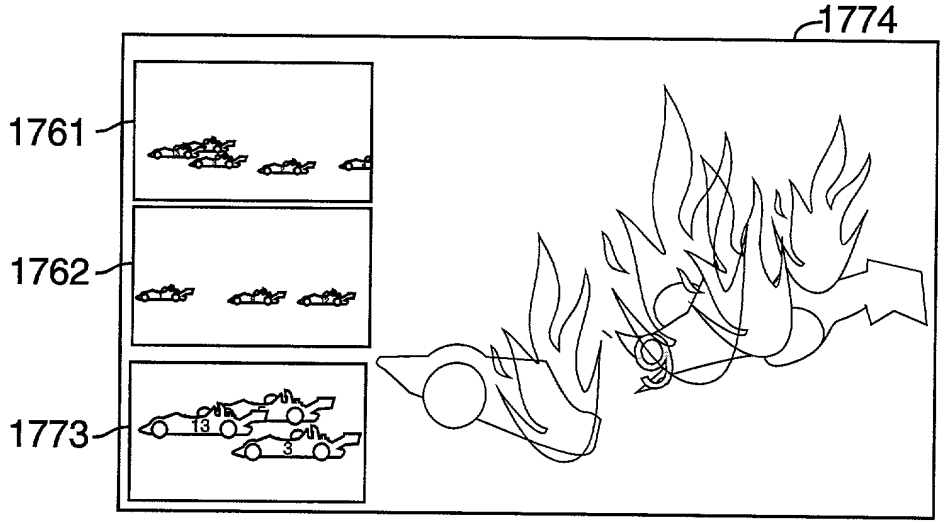


FIG. 17G

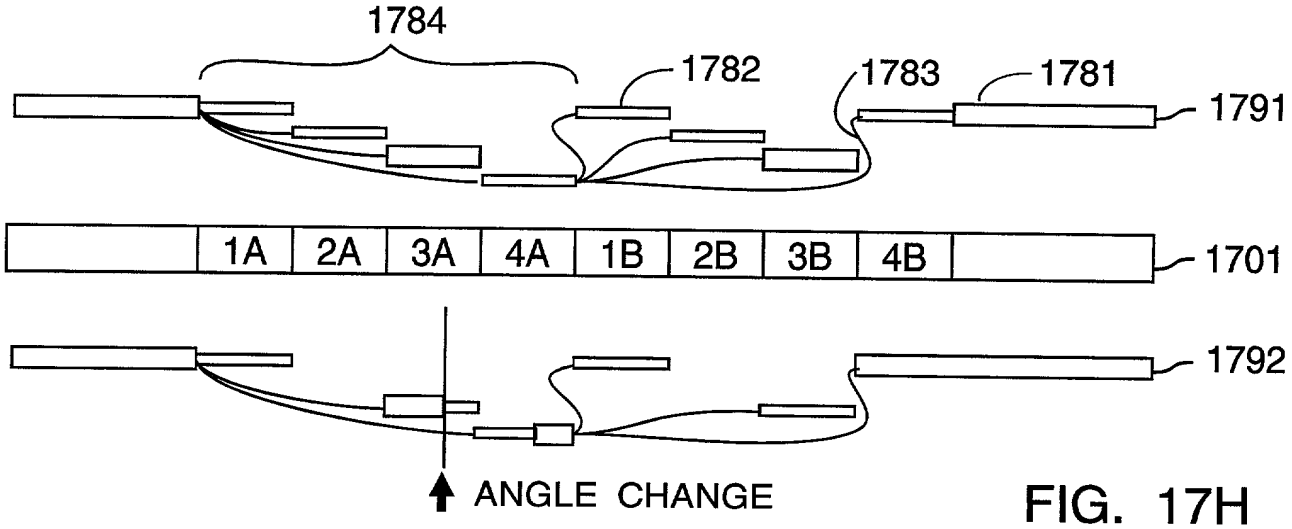


FIG. 17H

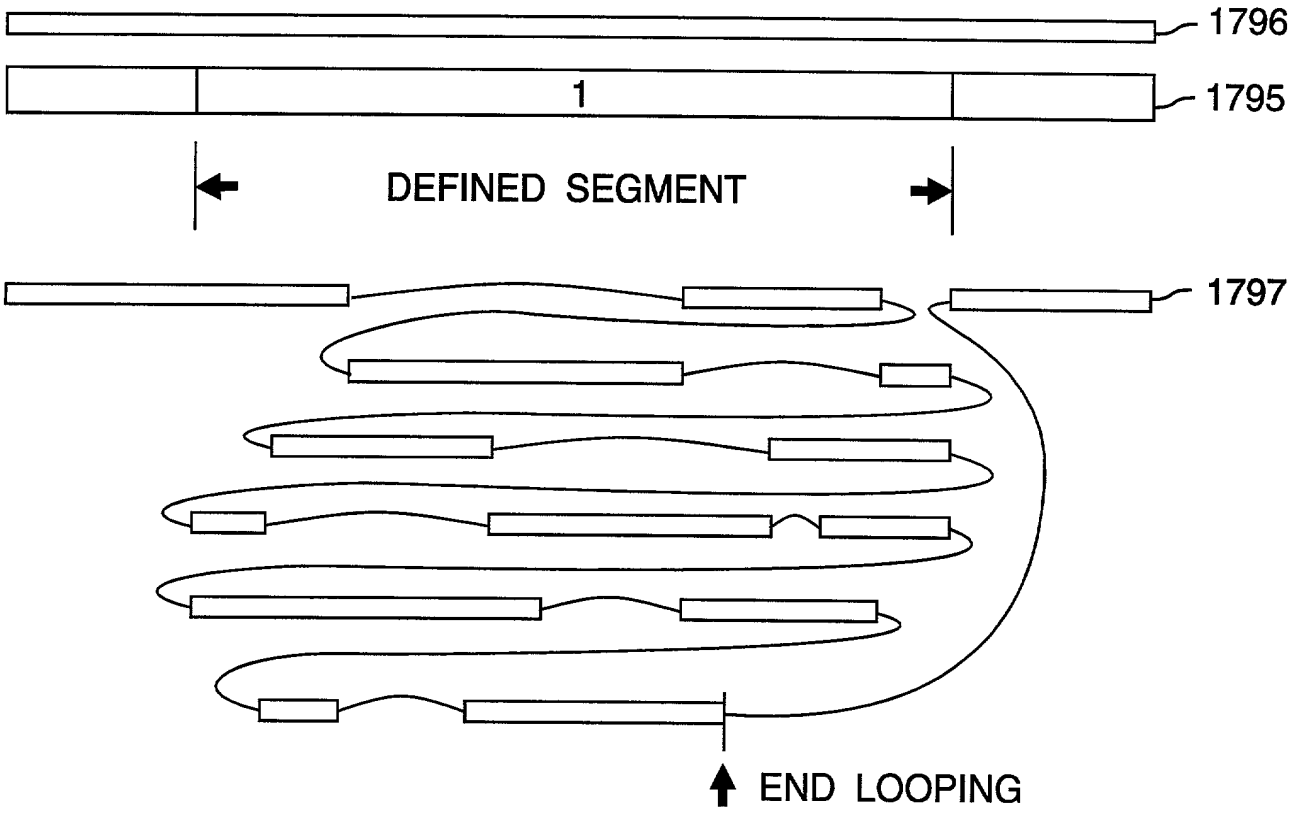


FIG. 17I

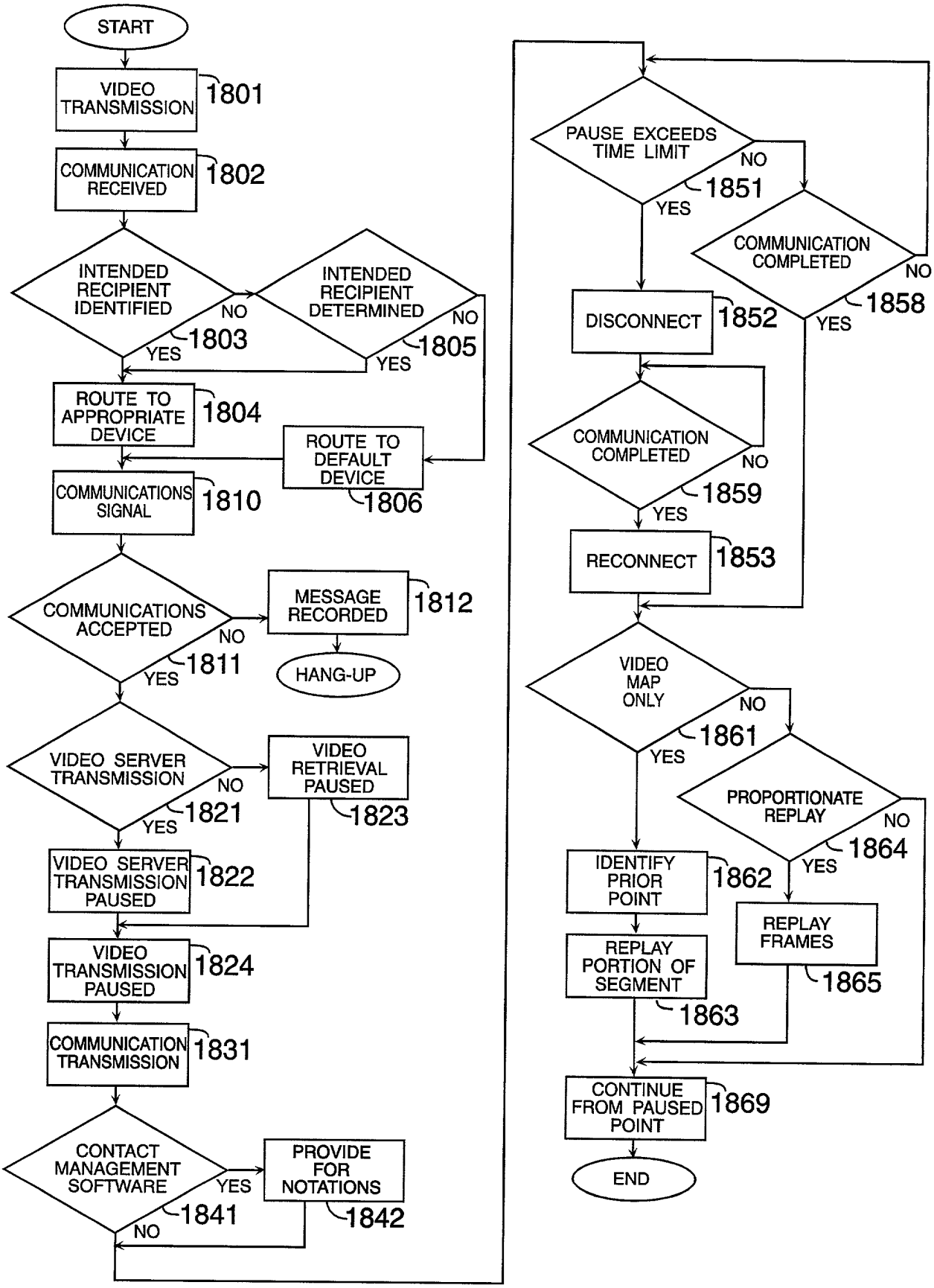

START
VIDEO TRANSMISSION
1801
COMMUNICATION RECEIVED
1802
INTENDED RECIPIENT IDENTIFIED
NO
1803
YES
INTENDED RECIPIENT DETERMINED
NO
1805
YES
ROUTE TO APPROPRIATE DEVICE
1804
ROUTE TO DEFAULT DEVICE
1806
COMMUNICATIONS SIGNAL
1810
COMMUNICATIONS ACCEPTED
NO
1811
YES
MESSAGE RECORDED
1812
HANG-UP
VIDEO SERVER TRANSMISSION
NO
1821
YES
VIDEO RETRIEVAL PAUSED
1823
VIDEO SERVER TRANSMISSION PAUSED
1822
VIDEO TRANSMISSION PAUSED
1824
COMMUNICATION TRANSMISSION
1831
CONTACT MANAGEMENT SOFTWARE
YES
1841
NO
PROVIDE FOR NOTATIONS
1842
PAUSE EXCEEDS TIME LIMIT
NO
1851
YES
COMMUNICATION COMPLETED
NO
1858
YES
DISCONNECT
1852
COMMUNICATION COMPLETED
NO
1859
YES
RECONNECT
1853
VIDEO MAP ONLY
NO
1861
YES
PROPORTIONATE REPLAY
NO
1864
YES
IDENTIFY PRIOR POINT
1862
REPLAY PORTION OF SEGMENT
1863
REPLAY FRAMES
1865
CONTINUE FROM PAUSED POINT
1869
END

FIG. 18